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(54) PURIFYING METHOD OF HYDROGEN PEROXIDE WATER

(57)Abstract:

PURPOSE: To produce a high purity hydrogen peroxide water in which metal based impurities, especially Al, Fe and Cr, are removed to ≤ 2 ppb, moreover to ≤ 1 ppb.

CONSTITUTION: In the purification of the hydrogen peroxide water, an acid whose acidic dissociation index pKa at 25° C in water is ≤ 5 is added to the water in a ratio of 0.005-5meq. per 1L hydrogen peroxide water, then the hydrogen peroxide water is brought into contact with a H type highly acidic cation exchange resin having sulfo groups or a mixed bed of the H type highly acidic cation exchange resin having sulfo groups and a highly basic anion exchange resin.

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